

## WHAT IS CLAIMED IS:

1. ~~A data processing apparatus for processing data based on a received result of wireless-communication with an image display apparatus for receiving a user's input, comprising:~~

- 5       a CPU;  
        a memory; and  
        a wireless unit,

       wherein a user's input entered in said image display apparatus is received through said wireless unit, and

10       image data generated as a result of data processing based on the received result is transmitted to said image display apparatus through  
~~said wireless unit.~~

2. The data processing apparatus of claim 1, wherein the image  
 15 data transmitted from said wireless unit is a differential portion only.

3. ~~An image display apparatus for wireless-communicating with a data processing apparatus generating image data and wireless-transmitting the image data, and for displaying the image data received~~  
 20 ~~from said data processing apparatus, comprising:~~

- a wireless unit;  
        a display unit; and  
        an input unit,

       wherein a user's input manipulation result in said input unit is  
 25 transmitted to said data processing apparatus by said wireless unit, and  
        the image data of a result of information processing in said data  
~~processing apparatus based on the input manipulation result is received~~

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in said wireless unit, and displayed in said display unit.

4. The image display apparatus of claim 3 further comprising a wireless quality measuring unit for measuring a wireless quality, wherein a display screen of said display unit is turned off when said wireless quality measuring unit judges that the wireless quality is inferior to a specified quality.

5. The image display apparatus of claim 3 further comprising an  
10 image temporary storage unit for temporarily storing the image data  
displayed in said display unit, wherein:

when a display screen of said display unit is turned off, the image data shown in said display unit is stored in said image temporary storage unit.

15           the stored image data is displayed first when said display screen is  
turned on by a user's input manipulation, and

then the stored image data is updated to a latest image data transmitted from said data processing apparatus.

20           6. The image display apparatus of claim 4 further comprising an  
image temporary storage unit for temporarily storing the image data  
displayed in said display unit, wherein:

when a display screen of said display unit is turned off, image data shown in said display unit is stored in said image temporary storage unit,

25           the stored image data is displayed first when said display screen is  
turned on by a user's input manipulation,

and then the stored image data is updated to a latest image data

transmitted from said data processing apparatus.

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- 6 7. ~~An information processing system comprising.~~  
 an image display apparatus including a first wireless unit, a display  
 unit, and an input unit, and  
 a data processing apparatus including a CPU, a memory, and a  
 second wireless unit,  
 wherein a user's input manipulation result in said input unit of said  
 image display apparatus is transmitted to said data processing apparatus  
 10 by said first wireless unit,  
 said data processing apparatus transmits image data of a result of  
 information processing based on a received content at said second wireless  
 unit to said image display apparatus through said second wireless unit,  
 and  
 15 said image display apparatus displays the image data received at  
~~said first wireless unit in said display unit.~~

8. The information processing system of claim 7,  
 wherein said image display apparatus further comprises a wireless  
 20 quality measuring unit for measuring the wireless quality, and  
 a display screen of said display unit is turned off when said wireless  
 quality measuring unit judges that a wireless quality is inferior to a  
 specified quality.

- 25 9. The information processing system of claim 7, wherein:  
 when a display screen of said display unit is turned off, the image  
 data shown in said display unit is stored,

the stored image data is displayed first when the display screen is turned on by a user's input manipulation, and

then the stored image data is updated to a latest image data transmitted from said data processing apparatus.

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10. The information processing system of claim 8, wherein:

when said display screen of said display unit is turned off, the image data shown in said display unit is stored,

the stored image data is displayed first when said display screen is turned on by a user's input manipulation, and

then the stored image data is updated to a latest image data transmitted from said data processing apparatus.

11. The information processing system of claim 7, wherein the image data transmitted from said second wireless unit to said first wireless unit is a differential portion only.

12. The information processing system of claim 8, wherein the image data transmitted from said second wireless unit to said first wireless unit is a differential portion only.

13. The information processing system of claim 9, wherein the image data transmitted from said second wireless unit to said first wireless unit is a differential portion only.

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14. The information processing system of claim 10, wherein the image data transmitted from said second wireless unit to said first

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wireless unit is a differential portion only.

15. An image display apparatus for wireless-communicating with a data processing apparatus generating image data and wireless-  
5 transmitting the image data, and for displaying the image data received from said data processing apparatus, comprising:

wireless communication means;

display means for displaying the image data received in said  
wireless communication means;

10 storage means for storing the image data;

input means for receiving a user's instruction;

image storage control means for storing, in said storage means, the  
image data displayed in said display means according to an image storing  
instruction received in said input means; and

15 image display control means for displaying, in said display means,  
the image data stored in said storage means according to an image display  
instruction received in said input means.

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af 20 ~~16. An image display apparatus for wireless-communicating with~~  
a data processing apparatus generating an image data and wireless-  
transmitting the data, and for displaying the image data received from  
said data processing apparatus, comprising:

wireless communication means;

25 display means for displaying the image data received in said  
wireless communication means;

storage means for storing the image data;

~~image update detecting means for detecting an updating of the~~

image data displayed in said display means;

updated image storage control means for additionally storing, in said storage means, the image data displayed in said display means in said storage means in response to detect the updating of the image data by  
5 said image update detecting means;

input means for receiving a user's instruction; and

image display control means for displaying, in said display means, the image data stored in said storage means according to an image display instruction received in said input means.

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17. The image display apparatus of claim 16, wherein said image update detecting means detects the updating of the image data when a size of the image data updated within a specified time is larger than a predetermined size.

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18. The image display apparatus of claim 15 further comprising image updating means for updating the image data stored in said storage means and displayed in said display means according to an image updating instruction received in said input means.

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19. The image display apparatus of claim 16 further comprising image updating means for updating the image data stored in said storage means and displayed in said display means according to an image updating instruction received in said input means.

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20. The image display apparatus of claim 17 further comprising image updating means for updating the image data stored in said storage

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means and displayed in said display means according to an image updating instruction received in said input means.

21. The image display apparatus of claim 15, wherein:

5       said storage means stores a series of user manipulation of each image data in correspondence to each image data in addition to the image data,

10       said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

      said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in correspondence to the image data in addition to the image data, and

15       said wireless communication means transmits the user manipulation to said data processing apparatus aside from receiving the image data.

22. The image display apparatus of claim 16, wherein:

20       said storage means stores a series of user manipulation of each image data in correspondence to the each image data in addition to the image data;

      said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

25       said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in correspondence to the image data in addition to the image data, and

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said wireless communication means transmits the user manipulation to said data processing apparatus aside from receiving the image data.

5        23. The image display apparatus of claim 17, wherein:

said storage means stores a series of user manipulation of each image data in correspondence to the each image data in addition to the image data,

10        said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in correspondence to the image data in addition to the image data, and

15        said wireless communication means transmits the user manipulation to said data processing apparatus aside from receiving the image data.

20        24. The image display apparatus of claim 18, wherein:

said storage means stores a series of user manipulation of each image data in correspondence to the each image data in addition to the image data,

25        said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in

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correspondence to the image data in addition to the image data, and

said wireless communication means transmits the user manipulation to the data processing apparatus, aside from receiving the image data.

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25. The image display apparatus of claim 19, wherein:

said storage means stores a series of user manipulation of each image data in correspondence to the each image data in addition to the image data,

10 said input means further receives the user manipulation of the image data stored in said storage means and displayed in said display means and stores the series temporarily,

said image storage control means stores, in said storage means, the series of the user manipulation stored in said input means in  
15 correspondence to the image data in addition to the image data, and

said wireless communication means transmits the user manipulation to said data processing apparatus aside from receiving the image data.

20 26. The image display apparatus of claim 20, wherein:

said storage means stores a series of user manipulation of each image data in correspondence to the each image data in addition to the image data,

said input means further receives the user manipulation of the  
25 image data stored in said storage means and displayed in said display means and stores the series temporarily,

said image storage control means stores, in said storage means, the

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series of the user manipulation stored in said input means in  
correspondence to the image data in addition to the image data, and

said wireless communication means transmits the user  
manipulation to said data processing apparatus aside from receiving the  
5 image data.

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